

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claim 1 (Currently Amended): A method for packet communication comprising:
sending a packet, by a node configured to be moved among different networks, the
packet including a private sender address;

changing the private sender address to a global address, even when said sending is
performed in any of the different networks, by mapping the global address to the private
sender address by translation

~~wherein a sender address of a packet including a private address as a sender address~~
~~sent by a node which can be moved among different networks is changed to a same global~~
~~address even when said node sends said packet in either of the networks.~~

Claim 2 (Currently Amended): A method for packet communication wherein a node
~~including~~ includes a private sender address ~~as a sender address is being~~ moved from a first
network including ~~having~~ said node, and first address changing means for receiving ~~the a~~
packet from said node and then changing said private sender address of the packet to a global
address for outputting ~~output~~ into a second network ~~which is being~~ different from said first
network, the method comprising: ~~the steps of~~

receiving said packet from said node by the first address changing means, the node
being currently ~~which is~~ moved into said second network;

changing said private sender address of said received packet by the first address
changing means from said private sender address to ~~a same global address as said the~~ global
address, the changing performed by mapping the global address to the private sender address
by translation; and

sending said packet ~~whose sender address has been changed by the first address~~
changing means to the a third network different from said first and second networks outside
~~of said second network after said changing said sender address.~~

Claim 3 (Currently Amended): A method for packet communication according to
claim 2, further comprising: ~~the steps~~

~~of said node moved into said second network and said address changing means in said~~
~~first network~~

registering the node in a home agent, the home agent configured to manage the first
network;

registering the node in a foreign agent, the foreign agent configured to manage the
second network; and

notifying the node by the first address changing means to each other of a
correspondence between said private sender address and said global address periodically after
said registering the said node is registered a in the home agent ~~for managing said first~~
~~network and in the a foreign agent for managing said second network.~~

Claim 4 (Currently Amended): A method for packet communication according to
claim 2, further comprising ~~the steps of:~~

detecting by a second address changing means of the second network that a
registration request is sent from said node moved into said second network to a foreign agent
configured to manage for managing said second network; and

~~after the detection,~~ requesting by the second address changing means of the second
network that the first said address changing means in the said first network transmits to the

second address changing means of the second network a correspondence between the said
global address mapped to the said private sender address, after said detecting.

Claim 5 (Currently Amended): A method for packet communication according to
claim 2, further comprising the steps of:

detecting by a second address changing means in the second network that a response
indicating that said node is registered has been is sent from a home agent configured to
manage for managing said first network to a foreign agent configured to manage for
managing said second network; and

after the detection, requesting by the second address changing means in the second
network that the first said address changing means in the said first network sends to the
second address changing means of the second network the said global address mapped to the
said private sender address, after said detecting.

Claim 6 (Currently Amended): A method for packet communication according to
claim 2, further comprising: the step of

adding an address translation information request code for requesting the said global
address mapped to the said private sender address to a registration translation request sent
from a foreign agent configured to manage for managing said second network to a home
agent configured to manage for managing said first network.

Claim 7 (Currently Amended): A method for packet communication, comprising: the
steps of;

outputting a packet in a first network, the packet including a private sender address, as
a sender address to changing means configured to change for changing a sender the address of

said ~~the~~ packet from ~~the~~ said private sender address to a global address by mapping the global address to the private sender address by translation; and

sending ~~the~~ a packet to a second network, wherein the global address of the packet sending address is a global address which is same as said the global address in the a second network which is different from said first network.

Claim 8 (Currently Amended): A method for packet communication, comprising: ~~the steps of~~

receiving a packet including a private sender address ~~as a sender address~~ from a first node in a first network;

changing a ~~the sender~~ address of said received packet from said private sender address to a first global address by mapping the first global address to the private sender address by translation;

sending said packet whose sender address has been changed to a third network different from said first and a second networks ~~the outside to said first network~~;

receiving ~~receives~~ a packet including a second global address, ~~which is different from said first global address as a sender address~~, from a second node which has been moved into said first network from ~~said the~~ second network which is different from said first network; and

sending said packet to the third ~~out side of said first~~ network without changing ~~an a~~ a ~~sender~~ address of said packet received from said second node from said second global address to said first global address.

Claim 9 (Currently Amended): A computer program stored on a computer readable medium, wherein a node including a private sender address ~~as a sender address~~ is previously

moved from a first network including having said node, and address changing means for receiving ~~the~~ a packet from said node and then changing said ~~sender~~ private sender address of the packet to a global address for outputting output into a second network ~~which is~~ different from said first network, the computer program comprising:

a first computer code that receives said packet from said node by the address changing means, the node being currently ~~which is~~ moved into said second network;

a second computer code that changes said ~~sender~~ address of said received packet by the address changing means from said private sender address to the a same global address as said global address by mapping the global address to the private sender address by translation; and

a third computer code that sends said packet ~~whose sender address has been changed~~ by the address changing means to a third network which is different than the first and the ~~outside of said second network~~ networks after said changing the sender address.

Claim 10 (New): The method for packet communication according to Claim 1, wherein the changing the sender address is performed while the node is moved among different networks.